## AP Biology Supplemental – Homeostasis Review Video Review Sheet

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1. Define feedback loop:

2.	Negative feedback (most common) loop when we dance			
3.	Describe an example of negative feedback:			
4.	. Positive feedback when we want to go in			
5.	Describe an example of positive feedback:			
6.	Response to External Stimuli: Behavioral a. Behavioral response is when:			
	b. Describe an example:			
7.	Response to External Stimuli: Physiological a. Describe a Physiological response:			
	b. Describe the Blood Glucose Example:			
	c. Describe the Thermoregulation Example:			
	d. Describe the Osmoregulation Example: i. What were the two functions of the kidney			
	ii. Describe the example:			

8.		entiate between biotic and abiotic factors related to homeostasis:  Example of responding biotic factors:
	b.	Example of responding to abiotic factors:
9.		loes homeostasis reflect evolution?  Describe an example relating to nitrogenous wastes:
	b.	Describe an example relating to acquiring oxygen:
10		ostatic Disruptions: Describe an invasive species example:
	b.	Describe a physiological example:
11	. Home	ostasis and plant and animal defenses:
	a.	Plants have a defense. No matter what the invader is.
	b.	Animals have: i. Non-specific examples:
		ii. Specific response:  1. An antigen is an
		2. We have an infinite number of
		<ol> <li>When infected, we sense the shape with T-helper cells, transmit the shape to the B-cells (antibodies and memory B cells), and we make killer cells</li> </ol>
12		ostasis and Development:  Differentiation: when a cell becomes specific, it does that by  certain genes – they are methylated so they can't function.
		How does that happen, usingspecific proteins
	b.	Apoptosis: of the cells is really important in development
	C.	Hox Genes: put body parts in the right The Hox Genes found in fruit flies, mice and us – suggestion they are:

	Plants:  i. Phototropism is: when a plant grows the light, because auxin is on the shady side, causing the cells on the dark side to grow towards the light. Day to day	
	ii. Photoperiodism is: plant is using phytochromes, how much time Important in flowering, knowing the season	Э
b.	Circadian Rhythms: gland, secreting so we can to what time of the day it is	ell
C.	Quorum Sensing used by for responding to each and to their:	
	ior and Natural Selection: Give an example in Photoperiodism:	
b.	Give an example in Courtship:	
C.	Give an example in Pollination:	